

1 CLAIMS

2 We claim:

3 1. A controller for a sexual and massage vibrator comprising:

4 a housing enclosing

5 an electronic assembly that is capable of controlling a vibrator,

6 a battery holder,

7 an on-and-off means, and

8 a high-efficiency speed controller.

9 2. The controller of claim 1, wherein the electronic assembly is connected to the
10 vibrator via a wire or cable.

11 3. The controller of claim 1, wherein the vibrator is remote controlled via wireless
12 operation.

13 4. The controller of claim 1, further comprising a circuit to input electrical signals
14 and decode into a format that will adjust the speed level of the vibrating element
15 including a sensitivity adjustment control.

16 5. The controller of claim 4, further comprising a microphone and associated
17 circuitry to provide the signals to adjust the speed level of the vibrating element.

18 6. The controller of claim 1, wherein the controller is integrated into the vibrator.

19 7. The controller of claim 1, wherein the controller is stand-alone.

20 8. The controller of claim 1, further comprising an external power source for
21 providing power to the controller.

22 9. The controllers of claim 1 further comprising an output connection for
23 headphones or linking controllers.

1 10. The controller of claim 1 wherein wireless remote adjustment of speed is used.

2 11. The controller of claim 1 wherein a micro controller is used as part of the control
3 circuitry.

4 12. The controller of claim 1 wherein wireless remote adjustment of sensitivity is
5 used.

6 13. A control circuit for a DC massager vibrator motor comprising: a high-efficiency
7 pulse width modulated speed control circuit with discontinuous current flow through the
8 motor.

9 14. The control circuit of claim 13 further comprising an integrated microphone and
10 an audio interactive circuit that is used to modulate the vibrator motor speed based on the
11 environmental ambient sound pressure level.

12 15. The control circuit of claim 13 wherein the power is derived from a connection to
13 a computer or game console. (ie. the USB port on a computer).

14 16. An automated vibrator system having multiple control circuits and respective
15 vibrator motors, wherein one of the control circuits is a control circuit as in claim 13, the
16 system further comprising an output connection for headphones or linking multiple
17 control circuits so that the control circuits for the system may have shared control,
18 swapped control, or master control functions.

19 17. The control circuit of claim 13 wherein the connection between the control circuit
20 and the motor is wireless using RF electromagnetic energy, infrared light energy, or
21 ultrasonic vibrations to transmit the motor speed control information.

22 18. The control circuit of claim 13 wherein a micro controller based computer
23 interactive is used to decode digital signals (codes) generated by a computer or game

- 1 console and use the codes to modulate the speed of the massager vibrator motor
- 2 according to the intent of a game software title or remote participant via the internet using
- 3 an online communication tool such as net meeting.